

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Zsebo, Krisztina M.
6 Bosselman, Robert A.
7 Suggs, Sidney V.
8 Martin, Francis H.
9
10 (ii) TITLE OF INVENTION: Stem Cell Factor: Composition Claims
11
12 (iii) NUMBER OF SEQUENCES: 104
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
16 (B) STREET: 6300 Sears Tower, 233 South Wacker Drive
17 (C) CITY: Chicago
18 (D) STATE: Illinois
19 (E) COUNTRY: United States of America
20 (F) ZIP: 60606-6402
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER:
30 (B) FILING DATE:
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 09/005,893
35 (B) FILING DATE: 12-JAN-1998
36 (C) CLASSIFICATION:
37
38
39 (vii) PRIOR APPLICATION DATA:
40 (A) APPLICATION NUMBER: 08/449,653
41 (B) FILING DATE: 24-MAY-1995
42 (C) CLASSIFICATION:
43
44 (vii) PRIOR APPLICATION DATA:
45 (A) APPLICATION NUMBER: 07/982,255
46 (B) FILING DATE: 25-NOV-1992

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/224,683DATE: 01/15/99
TIME: 13:02:31

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47
48 (vii) PRIOR APPLICATION DATA:
49 (A) APPLICATION NUMBER: 07/589,701
50 (B) FILING DATE: 01-OCT-1990
51
52 (vii) PRIOR APPLICATION DATA:
53 (A) APPLICATION NUMBER: 07/573,616
54 (B) FILING DATE: 24-AUG-1990
55
56 (vii) PRIOR APPLICATION DATA:
57 (A) APPLICATION NUMBER: 07/537,198
58 (B) FILING DATE: 11-JUN-1990
59
60 (vii) PRIOR APPLICATION DATA:
61 (A) APPLICATION NUMBER: 07/422,383
62 (B) FILING DATE: 16-OCT-1989
63
64 (viii) ATTORNEY/AGENT INFORMATION:
65 (A) NAME: Clough, David W.
66 (B) REGISTRATION NUMBER: 36,107
67 (C) REFERENCE/DOCKET NUMBER: 01017/35136
68
69 (ix) TELECOMMUNICATION INFORMATION:
70 (A) TELEPHONE: 312/474-6300
71 (B) TELEFAX: 312/474-0448
72 (C) TELEX: 25-3856
73
74 (2) INFORMATION FOR SEQ ID NO:1:
75
76 (i) SEQUENCE CHARACTERISTICS:
77 (A) LENGTH: 165 amino acids
78 (B) TYPE: amino acid
79 (C) STRANDEDNESS: single
80 (D) TOPOLOGY: linear
81
82 (ii) MOLECULE TYPE: protein
83
84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
85
86 Glu Glu Ile Cys Arg Asn Pro Val Thr Asp Asn Val Lys Asp Ile Thr
87 1 5 10 15
88
89 Lys Leu Val Ala Asn Leu Pro Asn Asp Tyr Met Ile Thr Leu Asn Tyr
90 20 25 30
91
92 Val Ala Gly Met Asp Val Leu Pro Ser His Cys Trp Leu Arg Asp Met
93 35 40 45
94
95 Val Thr His Leu Ser Val Ser Leu Thr Thr Leu Leu Asp Lys Phe Ser
96 50 55 60
97
98 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Gly
99 65 70 75 80

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100
101 Lys Ile Val Asp Asp Leu Val Ala Cys Met Glu Glu Asn Ala Pro Lys
102 85 90 95
103
104 Asn Val Lys Glu Ser Leu Lys Lys Pro Glu Thr Arg Asn Phe Thr Pro
105 100 105 110
106
107 Glu Glu Phe Phe Ser Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp
108 115 120 125
109
110 Phe Met Val Ala Ser Asp Thr Ser Asp Cys Val Leu Ser Ser Thr Leu
111 130 135 140
112
113 Gly Pro Glu Lys Asp Ser Arg Val Ser Val Thr Lys Pro Phe Met Leu
114 145 150 155 160
115
116 Pro Pro Val Ala Ala
117 165
118

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

- (A) NAME/KEY: modified_base
- (B) LOCATION: 9
- (D) OTHER INFORMATION: /mod_base= Inosine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACRTTYTTNG GNGCRTTYTC YTCCAT

26

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

- (A) NAME/KEY: modified_base
- (B) LOCATION: 12 and 15
- (D) OTHER INFORMATION: /mod_base= Inosine

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153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
154
155 AARAAATCYT CNGGNGTRAA RTT 23
156
157 (2) INFORMATION FOR SEQ ID NO:4:
158
159 (i) SEQUENCE CHARACTERISTICS:
160 (A) LENGTH: 14 base pairs
161 (B) TYPE: nucleic acid
162 (C) STRANDEDNESS: single
163 (D) TOPOLOGY: linear
164
165 (ii) MOLECULE TYPE: DNA
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
168
169 GTYTCNGGYT TYTT 14
170
171 (2) INFORMATION FOR SEQ ID NO:5:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 26 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: DNA
180
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
182
183 ATGGARGARA AYCCCCCAA RAAYGT 26
184
185 (2) INFORMATION FOR SEQ ID NO:6:
186
187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 20 base pairs
189 (B) TYPE: nucleic acid
190 (C) STRANDEDNESS: single
191 (D) TOPOLOGY: linear
192
193 (ii) MOLECULE TYPE: DNA
194
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
196
197 CCNAAYGAYT AYATGWTMAC 20
198
199 (2) INFORMATION FOR SEQ ID NO:7:
200
201 (i) SEQUENCE CHARACTERISTICS:
202 (A) LENGTH: 20 base pairs
203 (B) TYPE: nucleic acid
204 (C) STRANDEDNESS: single
205 (D) TOPOLOGY: linear

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206
207 (ii) MOLECULE TYPE: DNA
208
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
210
211 GGNGGNARCA TRAANGGYTT 20
212
213 (2) INFORMATION FOR SEQ ID NO:8:
214
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 23 base pairs
217 (B) TYPE: nucleic acid
218 (C) STRANDEDNESS: single
219 (D) TOPOLOGY: linear
220
221 (ii) MOLECULE TYPE: DNA
222
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
224
225 ACCAKAARAT CTTYAAANCG ATC 23
226
227 (2) INFORMATION FOR SEQ ID NO:9:
228
229 (i) SEQUENCE CHARACTERISTICS:
230 (A) LENGTH: 22 base pairs
231 (B) TYPE: nucleic acid
232 (C) STRANDEDNESS: single
233 (D) TOPOLOGY: linear
234
235 (ii) MOLECULE TYPE: DNA
236
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
238
239 GTATTTTCAA TAGATCCATT GA 22
240
241 (2) INFORMATION FOR SEQ ID NO:10:
242
243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 14 base pairs
245 (B) TYPE: nucleic acid
246 (C) STRANDEDNESS: single
247 (D) TOPOLOGY: linear
248
249 (ii) MOLECULE TYPE: DNA
250
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
252
253 CCAACTATGT CGCC 14
254
255 (2) INFORMATION FOR SEQ ID NO:11:
256
257 (i) SEQUENCE CHARACTERISTICS:
258 (A) LENGTH: 21 base pairs

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SEQUENCE VERIFICATION REPORT
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